

Claims

1. A device for positioning markings, having a first equipment unit (10), having
5 means (14) for disposing the first equipment unit (10) at a predeterminable first
position (18) of a reference face (16), and having optical signal means (20, 22, 50,
54, 60, 62, 64, 66) for generating directional information, characterized in that the
device has a second equipment unit (12, 13), which is positionable relative to the
first equipment unit (10) and which has means (20, 22, 28, 50, 54, 60, 62, 64, 66),
10 which make it possible to ascertain the spacing of the second equipment unit (12,
13) from the first equipment unit (10) in the direction predetermined by the first
equipment unit.
2. The device as defined by claim 1, characterized in that the spacing
15 determining means (20, 22, 28, 50, 54, 60, 62, 64, 66) include an optical
measuring system.
3. The device as defined by claim 2, characterized in that the optical
measuring system for determining spacing includes optical signal means (20, 22,
20 50, 54, 60, 62, 64, 66) of the first equipment unit (10).
4. The device as defined by claim 2 or 3, characterized in that the optical
measuring system for determining spacing includes at least one light-sensitive
sensor (56, 58).
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5. The device as defined by one of the foregoing claims, characterized in that
the optical signal means (20, 22, 50, 54, 60, 62, 64, 66) include at least one laser
(20, 54, 62, 64).

6. The device as defined by one of the foregoing claims, characterized in that the first equipment unit (10) has means (24) which make it possible to level the optical signal means (20, 22, 50, 54, 60, 62, 64, 66), for generating directional information, relative to the reference face (16).

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7. The device as defined by one of the foregoing claims, characterized in that the optical signal means (20, 22, 50, 54, 60, 62, 64, 66) are self-leveling.

8. The device as defined by claim 1, characterized in that the spacing
10 determining means include a mechanical measuring system (28).

9. The device as defined by claim 8, characterized in that the mechanical measuring system for determining spacing includes a travel pickup (28) connected to the second equipment unit (12).

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10. The device as defined by claim 1, characterized in that the spacing determining means include a radar measuring system.

11. The device as defined by one of the foregoing claims, characterized in that
20 the device (10, 12, 13) has display means (32), which permit it to reproduce the spacing value of the second equipment unit (12, 13) from the first equipment unit (10).

12. The device as defined by one of the foregoing claims, characterized in that
25 the second equipment unit (12, 13) has marking means (34, 68), which make it possible to mark a second position on the reference face (16) which corresponds to the ascertained spacing from the predeterminable first position in the direction predetermined by the first equipment unit (10).